

preparing a positive active material slurry by preparing a first solution by dissolving a binder in a solvent, adding a plasticizer, and adding a lithium salt as a positive active material, and adding carbon black to the first solution to produce a first mixture;

stirring the first mixture to increase viscosity of the first mixture;

applying the first mixture to opposite sides of an aluminum foil, the aluminum foil including a plurality of through holes extending through the aluminum foil, as a positive collector, to form a positive plate;

preparing a negative active material slurry by preparing a second solution by dissolving a binder in a solvent and adding a plasticizer, and adding carbon black to the second solution to produce a second mixture;

stirring the second mixture to increase viscosity of the second mixture;

applying the negative active material slurry to opposite sides of a copper foil, the copper foil being free of holes, as a negative collector, to form a negative plate;

laminating the positive plate and the negative plate on opposite sides of a separator;
and

extracting the plasticizer from the positive plate and the negative plate.

²⁴
23. (New) The method of claim ²³22 wherein applying the positive active material slurry to the positive collector comprises directly applying the slurry to the positive collector.

²⁵
24. (New) The method according to claim ²³22 including applying the positive active material slurry to the positive collector by forming sheets of the positive active material slurry and applying the sheets of the positive active material slurry to the positive collector.

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25. (New) The method of claim ²³22 wherein applying the negative active material slurry to the negative collector comprises directly applying the slurry to the negative collector.

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26. (New) The method according to claim ²³22 including applying the negative active material slurry to the negative collector by forming sheets of the negative active material slurry and applying the sheets of the negative active material slurry to the negative collector.

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27. (New) The method according to claim ²³22 wherein the binder is polyvinylidene fluoride.

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Application No. 09/416,270

²²~~28~~. (New) The method of claim ²²~~22~~ wherein the first and second solvents are chosen from the group consisting of N-methyl-2-pyrrolidone and acetone.

²³~~29~~. (New) A lithium polymer battery made by the method of claim ²³~~22~~.

²⁴~~30~~. (New) A lithium polymer battery made by the method of claim ²⁴~~23~~.

²⁵~~31~~. (New) A lithium polymer battery made by the method of claim ²⁵~~24~~.

²⁶~~32~~. (New) A lithium polymer battery made by the method of claim ²⁶~~25~~.

²⁷~~33~~. (New) A lithium polymer battery made by the method of claim ²⁷~~26~~.